

Global Organic Photovoltaic Devices Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global Organic Photovoltaic Devices market size is expected to reach \$ 518 million by 2029, rising at a market growth of 11.8% CAGR during the forecast period (2023-2029).

Organic photovoltaic technology is constantly being innovated and improved. Researchers and manufacturers work to improve the efficiency, stability and cost-effectiveness of organic solar cells to make them more competitive. With the increasing demand for renewable energy and solar energy as one of the key components of clean energy, organic photovoltaic devices are gaining attention. Consumer and business interest in low carbon and sustainable energy is driving the market demand for organic PV. The application areas of organic photovoltaic devices are expanding to include building integration, portable electronic devices, outdoor use, and others. This diverse range of applications is helping to drive the market growth. Cost of organic photovoltaic technology remains a key issue. As the technology matures and scale effects are realised, the cost of organic photovoltaic devices is expected to decline further, making them more attractive.

Organic photovoltaic devices are a type of solar photovoltaic technology that utilises organic semiconductor materials. Unlike conventional silicon-based solar cells, organic photovoltaic devices use organic (carbon-based) semiconductor materials, typically polymers or small molecule organic compounds, to capture and convert energy from sunlight.

This report studies the global Organic Photovoltaic Devices production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Organic Photovoltaic Devices, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Organic Photovoltaic Devices that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Organic Photovoltaic Devices total production and demand, 2018-2029, (K Units)

Global Organic Photovoltaic Devices total production value, 2018-2029, (USD Million)

Global Organic Photovoltaic Devices production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Organic Photovoltaic Devices consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: Organic Photovoltaic Devices domestic production, consumption, key domestic manufacturers and share

Global Organic Photovoltaic Devices production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global Organic Photovoltaic Devices production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Organic Photovoltaic Devices production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units).

This reports profiles key players in the global Organic Photovoltaic Devices market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Heliatek, Solarmer Energy, Merck, Belectric OPV, Ossila, ARMOR, Sumitomo Chemical, DisaSolar and Heraeus, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Organic Photovoltaic Devices market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Organic Photovoltaic Devices Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Organic Photovoltaic Devices Market, Segmentation by Type

Single-layer Organic Photovoltaic Devices

Double-layer Organic Photovoltaic Devices

Others

Global Organic Photovoltaic Devices Market, Segmentation by Application

Mobile Devices

Aerospace

Military

Consumer Electronics

Others

Companies Profiled:

Heliatek

Solarmer Energy

Merck

Belectric OPV

Ossila

ARMOR

Sumitomo Chemical

DisaSolar

Heraeus

SunCurtain

Savvy Science

Flask

Brilliant Matters

Eight19

SunPower

Epishine

Solivus

Dracula Technologies

Key Questions Answered

1. How big is the global Organic Photovoltaic Devices market?
2. What is the demand of the global Organic Photovoltaic Devices market?
3. What is the year over year growth of the global Organic Photovoltaic Devices market?
4. What is the production and production value of the global Organic Photovoltaic Devices market?
5. Who are the key producers in the global Organic Photovoltaic Devices market?

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